

C L A I M S

1. Functional handpiece (1) having
 - an elongate handpiece body (2)
 - which has at its rearward end a connection element for connection with a flexible supply line,
 - and has at its forward end a light emission element (3) of a light permeable material for the illumination of the treatment site
 - and has in the light emission element (3) an outlet opening (15) for a medium such as water or air or spray,

the light emission element (3) forming a forward region of the functional handpiece (1) and being releasably connected with the remaining region of the functional handpiece (1), and the light emission element (3) having a plug-in fitting (6a) for the light emission element (3), characterised in that,

the light emission element (3) is connected with the remaining region of the functional handpiece (1) by means of a latching device (6b),

the latching device (6b) having a latching nose (6d) directly or indirectly arranged on the light emission element (3), which can spring in radially inwardly and can self-actingly spring out behind a latching edge (6e) on the plug-in fitting (6a).
2. Functional handpiece according to claim 1, characterised in that,
- 30 for release, the latching noise (6d) can be sprung in through an externally accessible hole (6g) in the remaining region.
3. Functional handpiece (1) having

- an elongate handpiece body (2)
- which has at its rearward end a connection element
for connection with a flexible supply line,
- and has at its forward end a light emission element
5 (3) of a light permeable material for the illumination
of the treatment site
- and has in the light emission element (3) an opening
(15) for a medium such as water or air or spray,
the light emission element (3) forming a forward region of
10 the functional handpiece (1) and being releasably connected
with the remaining region of the functional handpiece (1)
by means of a plug-in fitting (6a) having a latching device
(6b),
and the latching device (6b) having a latching nose (6d)
15 arranged directly or indirectly on the light emission
element (3),
characterised in that,
the latching nose (6d) can self-actingly spring out into
its latching position behind a latching edge (6e) on the
20 plug-in fitting (6a), and for release is externally
accessible through a hole (6d) in the remaining region.

4. Functional handpiece according to claim 1,
characterised in that,
25 the outer surface of the light emission element (3) and of
the remaining region of the functional handpiece (1)
adjoining thereon transition into one another steplessly.

5. Functional handpiece according to claim 1,
30 characterised in that,
there stands up rearwardly from the light emission element
(3) a plug-in pin (3b) which sits in a plug-in recess (3a)
in the adjoining remaining region of the functional
handpiece (1).

6. Functional handpiece according to claim 5,
characterised in that,
the light emission element (3) bears on the remaining
5 region with a step surface (3c) tapering the plug-in pin
(3b).
7. Functional handpiece according to claim 1,
characterised in that,
10 the latching nose (6d) is arranged on a rearwardly
upstanding spring arm (3b).
8. Functional handpiece according to claim 1,
characterised in that,
15 the remaining region is formed by means of cannula (8)
which is releasably connected with a grip part (7)
preferably by means of a quick-release connection.
9. Functional handpiece according to claim 8,
characterised in that,
20 the cannula is curved or angled to the side.
10. Functional handpiece according to claim 8,
characterised in that,
25 the cannula (8) is mounted rotatably around the
longitudinal axis of the functional handpiece (1).
11. Functional handpiece according to claim 10,
characterised in that,
30 the cannula (8) is connected by means of a plug-in/turn
coupling.
12. Functional handpiece according to claim 11,
characterised in that,

one or more media lines (14, 14a, 14b) pass through a hollow cylindrical dividing joint (16) of the plug-in/turn coupling in a Z-form and/or at least one light conductor (36) passes axially through the plug-in/turn coupling and
5 extends to the light emission element (3).

13. Cannula (8) for a functional handpiece (1) having a cannula jacket (18), having at its rearward end a cannula
10 base (19) and at its forward end an opening (15), there being arranged to the cannula base (19) a connection device part for the connection of the cannula (8) with a grip part (7) of the handpiece (1), and at least one media line extends through the cannula base (19) to the opening (15),
15 characterised in that,
the cannula base (19) and the cannula jacket (18) are formed in two parts and the cannula base (19) is forwardly extended with a support arm (19a) which forms a transversely directed support between these parts at a
20 forwardly directed spacing (a) from the cannula base (19).

14. Cannula according to claim 13,
characterised in that,
the cannula base (19) and the support arm (19a) are
25 connected with one another by means of a plug-in connection having a plug-in recess (19c) and a plug-in pin engaging therein.

15. Cannula according to claim 13,
30 characterised in that,
the support arm (19a) is formed in an angled shape with a foot section (19b) and a laterally offset wall (19e).

16. Cannula according to claim 15,

characterised in that,
there extend through the hollow chamber of the angled shape
in each case one or more medium lines and/or light
conductors (36a, 36b).